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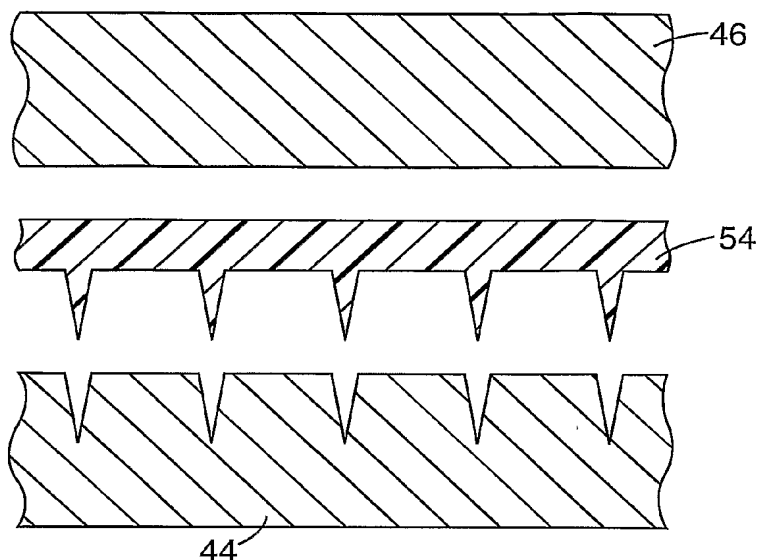
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[Continued on next page]

(54) Title: METHOD OF MOLDING FOR MICRONEEDLE ARRAYS



(57) Abstract: A method of manufacturing a moldable microneedle array (54) is described comprising providing a negative mold insert (44) characterized by a negative image of microneedle topography wherein at least one negative image of a microneedle is characterized by an aspect ratio of between about 2 to 1 and about 5 to 1. The negative mold insert (44) is used to define a structured surface of a negative mold cavity (42). Molten plastic material is injected into the heated negative mold cavity. The molten plastic material is subsequently cooled and detached from the mold insert to provide a molded microneedle array (54). One manner of using microneedle arrays of the present invention is in methods involving the penetration of skin to deliver medicaments or other substances and/or extract blood or tissue through the skin.

WO 2005/082596 A1



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Declarations under Rule 4.17:

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